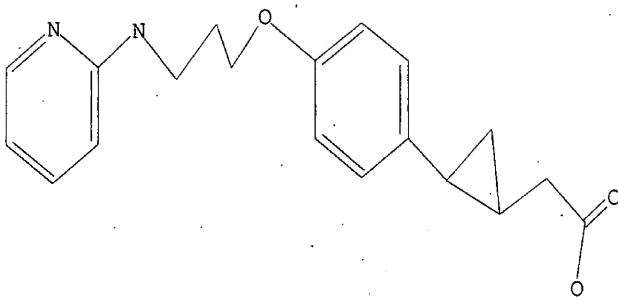


*Narrow  
Search*

09/882,186

Page 3



Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 15:55:33 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS  
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2 TO 124  
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s 11 sss full  
FULL SEARCH INITIATED 15:55:45 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 46 TO ITERATE

100.0% PROCESSED 46 ITERATIONS  
SEARCH TIME: 00.00.01

38 ANSWERS

L3 38 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE  
FULL ESTIMATED COST ENTRY TOTAL  
140.28 SESSION 140.49

FILE 'CAPLUS' ENTERED AT 15:55:52 ON 11 SEP 2002  
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<09/11/2002

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FILE COVERS 1907 - 11 Sep 2002 VOL 137 ISS 11  
FILE LAST UPDATED: 10 Sep 2002 (20020910/ED)

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CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s 13  
L4 1 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:923768 CAPLUS  
DOCUMENT NUMBER: 136:53681  
TITLE: Preparation of cycloalkylalkanoic acids as integrin receptor antagonists  
INVENTOR(S): Khanna, Ish Kumar; Clare, Michael; Gasiecki, Alan F.; Rogers, Thomas; Chen, Barbara; Russell, Mark; Lu, Hwang-Fun  
PATENT ASSIGNEE(S): Pharmacia Corporation, USA  
SOURCE: PCT Int. Appl., 171 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001096307	A2	20011220	WO 2001-US19104	20010615
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002077321	A1	20020620	US 2001-882186	20010615
PRIORITY APPLN. INFO.:			US 2000-211781P	P 20000615
OTHER SOURCE(S):		MARPAT 136:53681		
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The prepn. of compds. [I; A = heteroaryl (e.g., pyridine, imidazole, thiazole, oxazole, benzimidazole, imidazopyridine, etc.); n = 0-2, etc.; R1 = H, alkyl, etc.; R2, R3, R4, R5 = alkyl, alkoxy, etc.], their pharmaceutically acceptable salts and compns., and methods of selectively inhibiting or antagonizing the  $\alpha_{1A}$  and/or  $\alpha_{2A}$  integrin, are described. Thus, a multi-step synthesis of the trifluoroacetate salt of 2-[4-[3-(2-pyridinylamino)propoxy]phenyl]cyclopropaneacetic acid (II) is given. Administration of I inhibits angiogenesis, tumor metastasis, tumor growth, osteoporosis, Paget's disease, humoral hypercalcemia of malignancy, retinopathy, macular degeneration, arthritis, periodontal disease, smooth muscle cell migration, including restenosis and atherosclerosis, and viral diseases.

IT 381225-73-6P 381225-79-2P 381225-82-7P  
 381225-83-8P 381225-84-9P, [2-[2-Methoxy-4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381225-85-0P  
 381225-86-1P 381225-87-2P 381225-88-3P  
 381225-89-4P 381225-90-7P, [2-[2-Fluoro-4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381225-91-8P  
 381225-97-4P 381225-98-5P 381226-06-8P,  
 [2-[2-Acetoxy-4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381226-07-9P, [1-Methoxymethyl-2-[4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381226-08-0P,  
 [1-[Methylsulfonyl]methyl]-2-[4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381226-09-1P,  
 [1-Pyridin-3-yl-2-[4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381226-10-4P, [1-Benzo[1,3]dioxol-5-yl-2-[4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381226-11-5P,  
 [1-(2,3-Dihydrobenzofuran-6-yl)-2-[4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381226-12-6P,  
 [1-[Isoxazol-3-yl]-2-[4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381226-13-7P, [1-[Isoxazol-5-yl]-2-[4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381226-14-8P,  
 [1-[Oxazol-5-yl]-2-[4-[3-(pyridin-2-ylamino)propoxy]phenyl]cyclopropyl]acetic acid 381226-15-9P, [2-[4-[3-(Pyridin-2-ylamino)propoxy]phenyl]-1-[thiazol-5-yl]cyclopropyl]acetic acid 381226-90-0P 381226-92-2P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of cycloalkyl alkanoic acids as integrin receptor antagonists)  
 RN 381225-73-6 CAPLUS  
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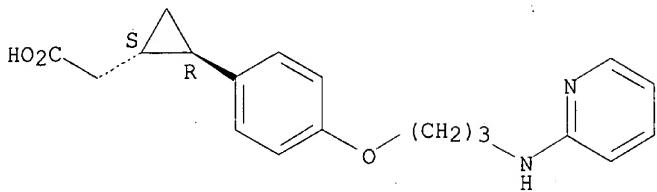
CM 1

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&lt;09/11/2002

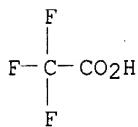
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Relative stereochemistry.



CM 2

CRN 76-05-1  
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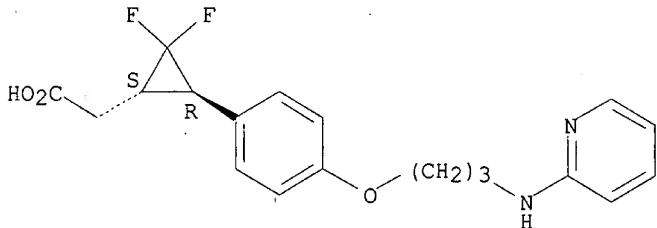


RN 381225-79-2 CAPLUS  
 CN Cyclopropaneacetic acid, 2,2-difluoro-3-[4-[3-(2-pyridinylamino)propoxy]phenyl]-, (1R,3S)-rel-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

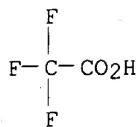
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Relative stereochemistry.

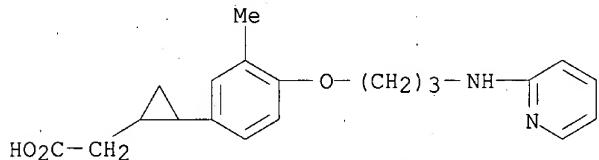


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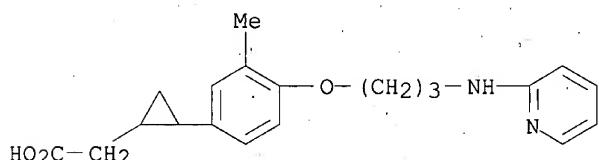
RN 381225-82-7 CAPLUS  
 CN Cyclopropaneacetic acid,  
 2-[3-methyl-4-[3-(2-pyridinylamino)propoxy]phenyl  
 ]-, (9CI) (CA INDEX NAME)



RN 381225-83-8 CAPLUS  
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 2-[3-methyl-4-[3-(2-pyridinylamino)propoxy]phenyl  
 ]-, trifluoroacetate (4:5) (9CI) (CA INDEX NAME)

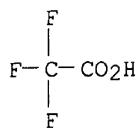
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CRN 381225-82-7  
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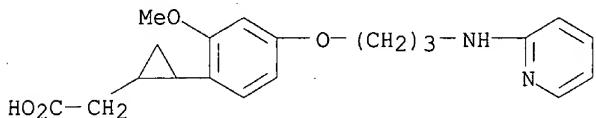


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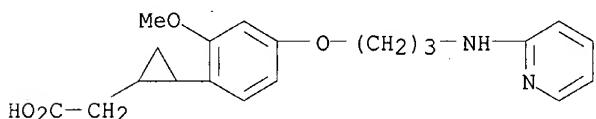
RN 381225-84-9 CAPLUS  
 CN Cyclopropaneacetic acid, 2-[2-methoxy-4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 381225-85-0 CAPLUS  
 CN Cyclopropaneacetic acid, 2-[2-methoxy-4-[3-(2-pyridinylamino)propoxy]phenyl]-, trifluoroacetate (10:9) (9CI) (CA INDEX NAME)

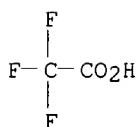
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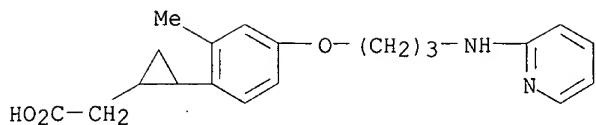


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CRN 76-05-1  
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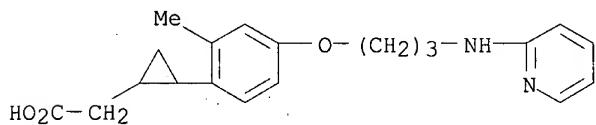
RN 381225-86-1 CAPLUS  
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RN 381225-87-2 CAPLUS  
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 2-[2-methyl-4-[3-(2-pyridinylamino)propoxy]phenyl  
 ]-, trifluoroacetate (4:5) (9CI) (CA INDEX NAME)

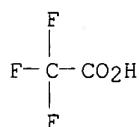
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CRN 381225-86-1  
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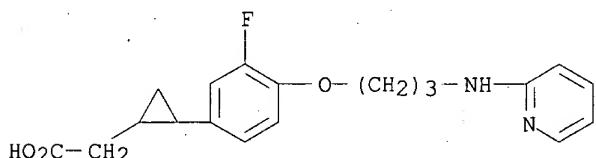


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CRN 76-05-1  
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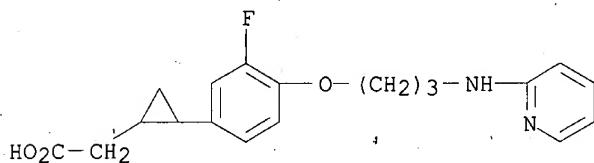
RN 381225-88-3 CAPLUS  
 CN Cyclopropaneacetic acid,  
 2-[3-fluoro-4-[3-(2-pyridinylamino)propoxy]phenyl  
 ]- (9CI) (CA INDEX NAME)



RN 381225-89-4 CAPLUS  
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 2-[3-fluoro-4-[3-(2-pyridinylamino)propoxy]phenyl  
 ]-, trifluoroacetate (2:3) (9CI) (CA INDEX NAME)

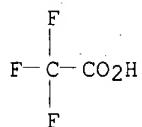
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CRN 381225-88-3  
 CMF C19 H21 F N2 O3

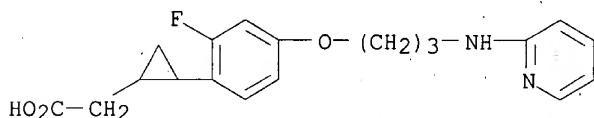


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CRN 76-05-1  
 CMF C2 H F3 O2



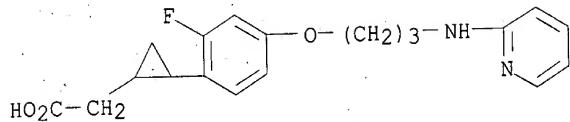
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 2-[2-fluoro-4-[3-(2-pyridinylamino)propoxy]phenyl  
 ]- (9CI) (CA INDEX NAME)



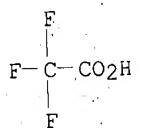
RN 381225-91-8 CAPLUS  
 CN Cyclopropaneacetic acid,  
 2-[2-fluoro-4-[3-(2-pyridinylamino)propoxy]phenyl  
 ]-, trifluoroacetate (4:7) (9CI) (CA INDEX NAME)

CM 1

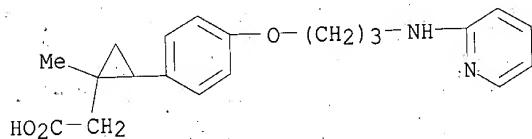
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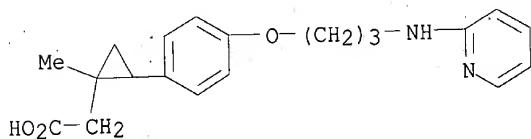
CRN 76-05-1  
CMF C2 H F3 O2

RN 381225-97-4 CAPLUS  
 CN Cyclopropaneacetic acid,  
 1-methyl-2-[4-[3-(2-pyridinylamino)propoxy]phenyl-  
 ]-, (9CI) (CA INDEX NAME)



RN 381225-98-5 CAPLUS  
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 1-methyl-2-[4-[3-(2-pyridinylamino)propoxy]phenyl-  
 ]-, trifluoroacetate (20:33) (9CI) (CA INDEX NAME)

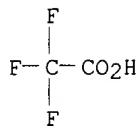
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CRN 381225-97-4  
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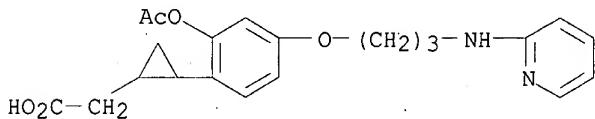
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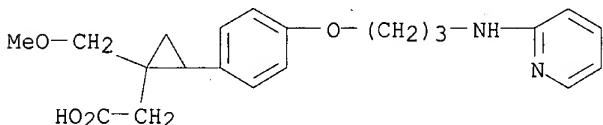
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CRN 76-05-1  
CMF C2 H F3 O2

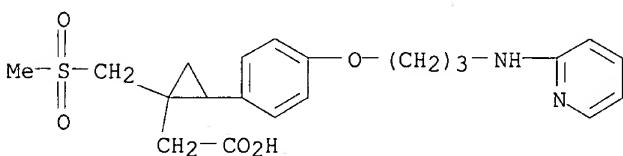
RN 381226-06-8 CAPLUS  
 CN Cyclopropaneacetic acid, 2-[2-(acetyloxy)-4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



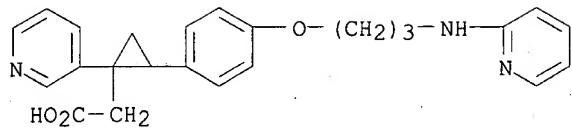
RN 381226-07-9 CAPLUS  
 CN Cyclopropaneacetic acid, 1-(methoxymethyl)-2-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 381226-08-0 CAPLUS  
 CN Cyclopropaneacetic acid, 1-[(methylsulfonyl)methyl]-2-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)

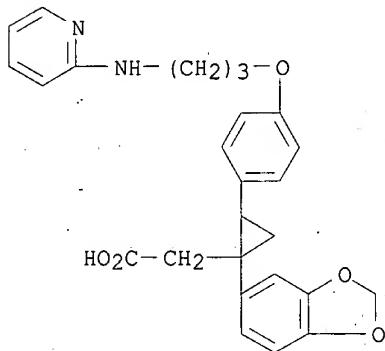


RN 381226-09-1 CAPLUS  
 CN Cyclopropaneacetic acid, 1-(3-pyridinyl)-2-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



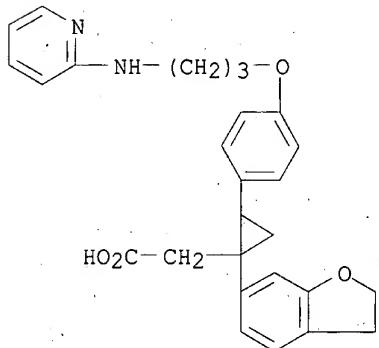
RN 381226-10-4 CAPLUS

CN Cyclopropaneacetic acid, 1-(1,3-benzodioxol-5-yl)-2-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



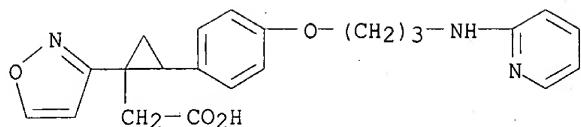
RN 381226-11-5 CAPLUS

CN Cyclopropaneacetic acid, 1-(2,3-dihydro-6-benzofuranyl)-2-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



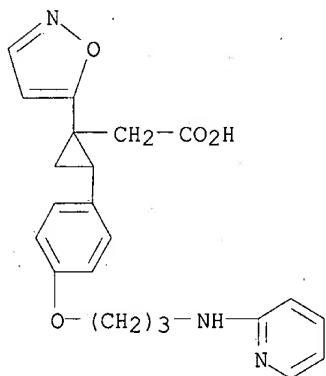
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CN Cyclopropaneacetic acid, 1-(3-isoxazolyl)-2-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



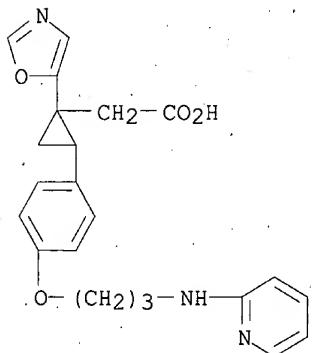
RN 381226-13-7 CAPLUS

CN Cyclopropaneacetic acid, 1-(5-isoxazolyl)-2-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



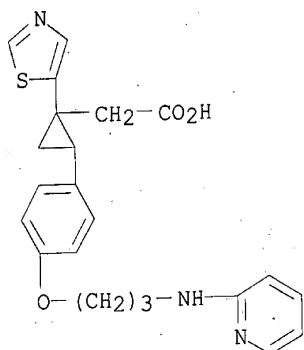
RN 381226-14-8 CAPLUS

CN Cyclopropaneacetic acid, 1-(5-oxazolyl)-2-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



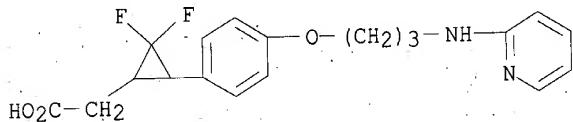
RN 381226-15-9 CAPLUS

CN Cyclopropaneacetic acid, 2-[4-[3-(2-pyridinylamino)propoxy]phenyl]-1-(5-thiazolyl)- (9CI) (CA INDEX NAME)



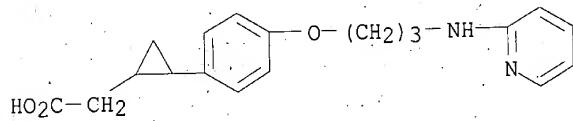
RN 381226-90-0 CAPLUS

CN Cyclopropaneacetic acid, 2,2-difluoro-3-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 381226-92-2 CAPLUS

CN Cyclopropaneacetic acid, 2-[4-[3-(2-pyridinylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



IT 381225-72-5P 381226-45-5P 381226-46-6P

381226-58-0P 381226-59-1P 381226-66-0P

381226-67-1P 381226-71-7P 381226-72-8P

381226-79-5P 381226-80-8P

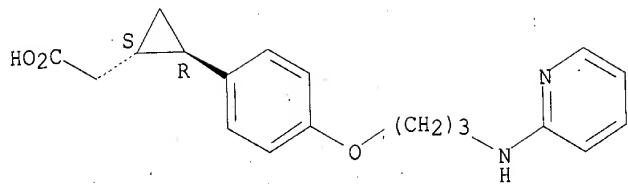
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of cycloalkyl alkanoic acids as integrin receptor antagonists)

RN 381225-72-5 CAPLUS

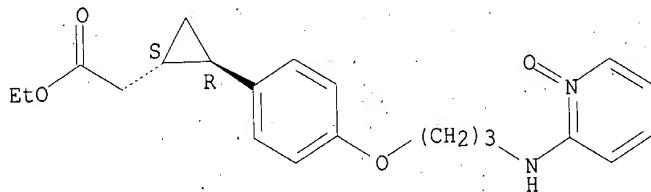
CN Cyclopropaneacetic acid, 2-[4-[3-(2-pyridinylamino)propoxy]phenyl]-, (1R,2S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



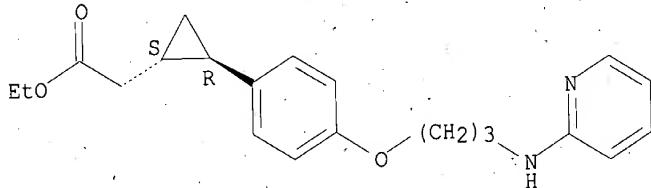
RN 381226-45-5 CAPLUS  
 CN Cyclopropaneacetic acid,  
 2-[4-[3-[(1-oxido-2-pyridinyl)amino]propoxy]phenyl-  
 1]-, ethyl ester, (1R,2S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



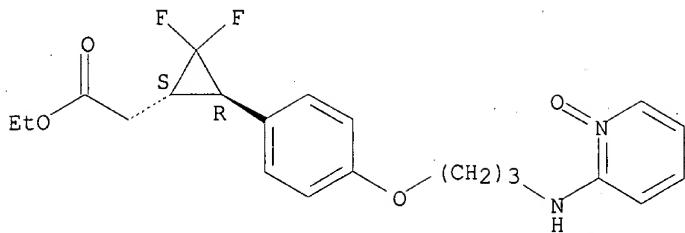
RN 381226-46-6 CAPLUS  
 CN Cyclopropaneacetic acid, 2-[4-[3-(2-pyridinylamino)propoxy]phenyl-  
 ethyl  
 ester, (1R,2S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 381226-58-0 CAPLUS  
 CN Cyclopropaneacetic acid, 2,2-difluoro-3-[4-[3-[(1-oxido-2-  
 pyridinyl)amino]propoxy]phenyl-, ethyl ester, (1R,3S)-rel- (9CI) (CA  
 INDEX NAME)

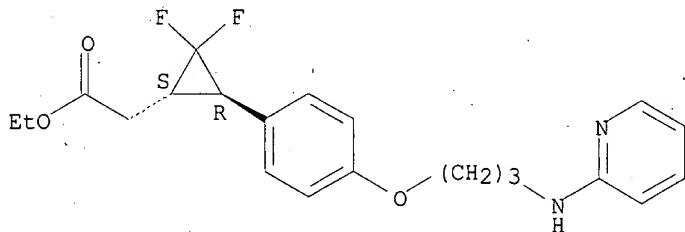
Relative stereochemistry.



RN 381226-59-1 CAPLUS

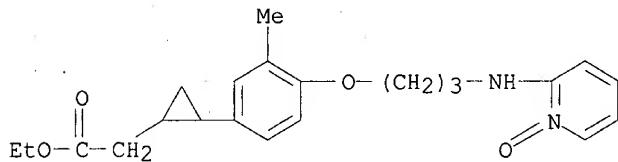
CN Cyclopropaneacetic acid, 2,2-difluoro-3-[4-[3-(2-pyridinylamino)propoxy]phenyl]-, ethyl ester, (1R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



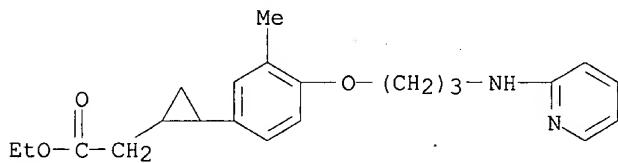
RN 381226-66-0 CAPLUS

CN Cyclopropaneacetic acid, 2-[3-methyl-4-[3-[(1-oxido-2-pyridinyl)amino]propoxy]phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 381226-67-1 CAPLUS

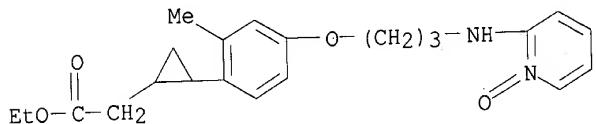
CN Cyclopropaneacetic acid, 2-[3-methyl-4-[3-(2-pyridinylamino)propoxy]phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 381226-71-7 CAPLUS

CN Cyclopropaneacetic acid, 2-[2-methyl-4-[3-[(1-oxido-2-

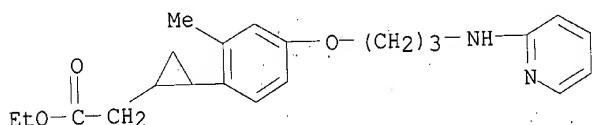
pyridinyl)amino]propoxy]phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 381226-72-8 CAPLUS

CN Cyclopropaneacetic acid,

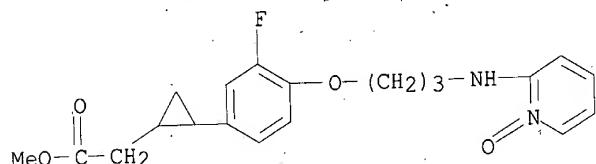
2-[2-methyl-4-[3-(2-pyridinylamino)propoxy]phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 381226-79-5 CAPLUS

CN Cyclopropaneacetic acid, 2-[3-fluoro-4-[3-[(1-oxido-2-

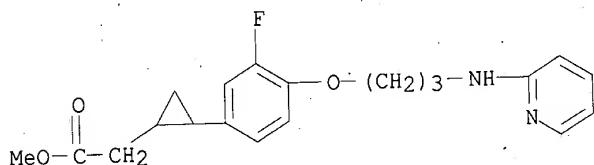
pyridinyl)amino]propoxy]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 381226-80-8 CAPLUS

CN Cyclopropaneacetic acid,

2-[3-fluoro-4-[3-(2-pyridinylamino)propoxy]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



=&gt; log y

Habte

&lt;09/11/2002

09/882,186

Page 19

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.79	145.28
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-0.62

STN INTERNATIONAL LOGOFF AT 15:56:17 ON 11 SEP 2002

Habte

<09/11/2002

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FILE 'HOME' ENTERED AT 13:03:08 ON 11 SEP 2002

=> file reg  
COST IN U.S. DOLLARS  
SINCE FILE  
ENTRY  
TOTAL  
SESSION  
0.21  
0.21  
FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 13:03:16 ON 11 SEP 2002  
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STRUCTURE FILE UPDATES: 10 SEP 2002 HIGHEST RN 449140-76-5  
DICTIONARY FILE UPDATES: 10 SEP 2002 HIGHEST RN 449140-76-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

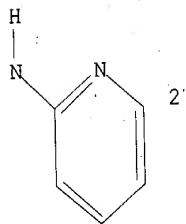
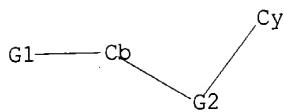
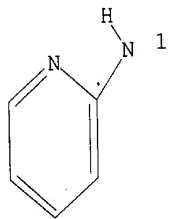
Crossover limits have been increased. See **HELP CROSSOVER** for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the .CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> Uploading 09882186.str

L1 STRUCTURE UPLOADED

=> d 11  
L1 HAS NO ANSWERS  
L1 STR



G1 O,S,N,Ak,C

G2 O,SO2,C,N

G3 [@1],[@2]

Structure attributes must be viewed using STN Express query preparation.

=> s 11  
 SAMPLE SEARCH INITIATED 13:04:00 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED - 3043 TO ITERATE

32.9% PROCESSED 1000 ITERATIONS  
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
 SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*  
 PROJECTED ITERATIONS: 57553 TO 64167  
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 sss full  
 FULL SEARCH INITIATED 13:04:10 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED - 62609 TO ITERATE

100.0% PROCESSED 62609 ITERATIONS  
 SEARCH TIME: 00.00.14

0 ANSWERS

L3 0 SEA SSS FUL L1

Habte

&lt;09/11/2002

=> log y  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
141.42	141.63

STN INTERNATIONAL LOGOFF AT 13:05:34 ON 11 SEP 2002

Narrow

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FILE 'HOME' ENTERED AT 13:21:48 ON 11 SEP 2002

```
=> ile reg
ILE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (>).
```

FILE 'REGISTRY' ENTERED AT 13:22:03 ON 11 SEP 2002  
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STRUCTURE FILE UPDATES: 10 SEP 2002 HIGHEST RN 449140-76-5  
DICTIONARY FILE UPDATES: 10 SEP 2002 HIGHEST RN 449140-76-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2000

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See **HELP CROSSOVER** for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

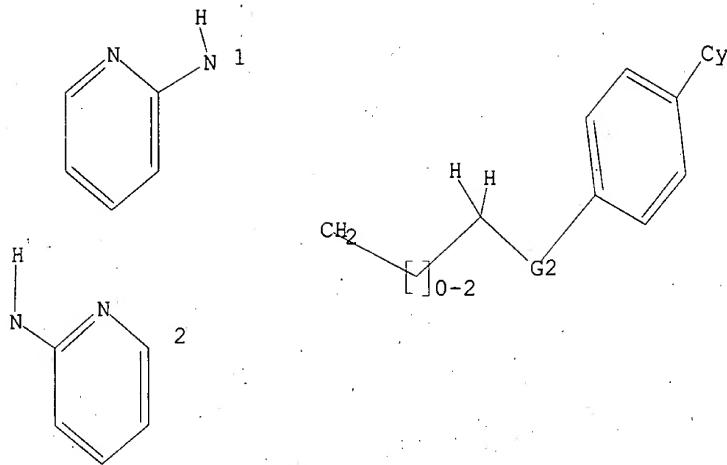
=> Uploading 09882186a.str

L1 STRUCTURE UPLOADED

=> d 11  
L1 HAS NO ANSWERS  
L1 STR

Habte

<09/11/2002



G1 [01], [02]

G2 C, O, SO2, NH, S, N

Structure attributes must be viewed using STN Express query preparation.

=&gt; s 11

SAMPLE SEARCH INITIATED 13:22:32 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 945 TO ITERATE100.0% PROCESSED 945 ITERATIONS  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 17056 TO 20744  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=&gt; s 11 sss full.

FULL SEARCH INITIATED 13:22:41 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 19101 TO ITERATE100.0% PROCESSED 19101 ITERATIONS  
SEARCH TIME: 00.00.08

1 ANSWERS

L3 1 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COSTSINCE FILE  
ENTRY  
140.66  
TOTAL  
SESSION  
140.87

FILE 'CPLUS' ENTERED AT 13:23:00 ON 11 SEP 2002  
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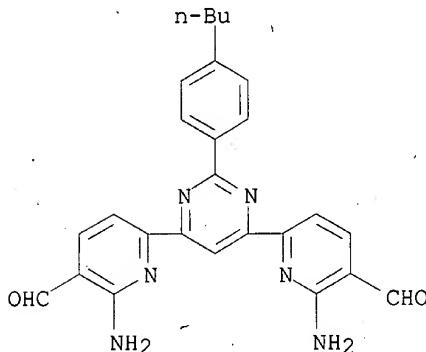
FILE COVERS 1907 - 11 Sep 2002 VOL 137 ISS 11  
FILE LAST UPDATED: 10 Sep 2002 (20020910/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s 13  
L4 1 L3  
  
=> d ibib abs hitstr tot  
  
L4 ANSWER 1 OF 1 CPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2002:288765 CPLUS  
DOCUMENT NUMBER: 137:93513  
TITLE: Cation-promoted hierarchical formation of supramolecular assemblies of self-organized helical molecular components  
AUTHOR(S): Petitjean, Anne; Cuccia, Louis A.; Lehn, Jean-Marie; Nierengarten, Helene; Schmutz, Marc  
CORPORATE SOURCE: Laboratoire de Chimie Supramoleculaire, ISIS-ULP, Strasbourg, 67000, Fr.  
SOURCE: Angewandte Chemie, International Edition (2002), 41(7), 1195-1198  
CODEN: ACIEF5; ISSN: 1433-7851  
PUBLISHER: Wiley-VCH Verlag GmbH  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Alternating naphthyridine-pyrimidine strands self-organize into a helical conformation contg. a strongly polar cavity. The binding of metal and ammonium cations promotes supramol. self-assembly in a sort of effector-induced growth process to form polymol. stacks and fibers observable by electron microscopy. Such entities offer features of mol. ion channels.  
IT 442128-59-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (cyclocondensation; cation-promoted hierarchical formation of supramol.  
 assemblies of self-organized helical mol. components)  
 RN 442128-59-8 CAPLUS  
 CN 3-Pyridinecarboxaldehyde,  
 6,6'-[2'-(4-butylphenyl)-4,6-pyrimidinediyl]bis[2-amino- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.79	145.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-0.62

STN INTERNATIONAL LOGOFF AT 13:23:26 ON 11 SEP 2002

L Number	Hits	Search Text	DB	Time stamp
1	1283	546/312, 514/352	USPAT	2002/09/11 16:40
2	13	(546/312, 514/352) and integrin\$	USPAT	2002/09/11 16:40